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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT   |     |                 | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE  |         | APPLICATION NO.<br>10/050,902   |           |               |
|---|-----|-----------------|---|---------|---------------------------------|-----------|---------------|
|   |     |                 | APPLICANT<br>RENNER et al.  |         | FILING DATE<br>January 18, 2002 |           | GROUP<br>1645 |
| <b>U.S. PATENT DOCUMENTS</b>  |     |                 |   |         |                                 |           |               |
| EXAMINER INITIAL  |     | DOCUMENT NUMBER | DATE  | NAME    | CLASS                           | SUB-CLASS | FILING DATE   |
|   | AA  |                 |   |         |                                 |           |               |
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|   | AE  |                 |   |         |                                 |           |               |
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|   | AK  |                 |   |         |                                 |           |               |
| <b>FOREIGN PATENT DOCUMENTS</b>   |     |                 |   |         |                                 |           |               |
| EXAMINER INITIAL  |     | DOCUMENT NUMBER | DATE  | COUNTRY | CLASS                           | SUB-CLASS | TRANSLATION   |
| MM  | AL1 | WO 92/11291 A1  | 07/09/1992  | WIPO    |                                 |           | Yes<br>No     |
|   | AM1 | WO 96/30523 A2  | 10/03/1996  | WIPO    |                                 |           | Yes<br>No     |
|   | AN1 | WO 97/31948 A1  | 09/04/1997  | WIPO    |                                 |           | Yes<br>No     |
|   | AO1 | WO 98/15631 A1  | 04/16/1998  | WIPO    |                                 |           | Yes<br>No     |
| ↓   | AP1 | WO 00/32227 A2  | 06/08/2000  | WIPO    |                                 |           | Yes<br>No     |
| <b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>   |     |                 |   |         |                                 |           |               |
| MM  | AR  | 1               | Abraham, J.M., et al., "An invertible element of DNA controls phase variation of type 1 fimbriae of <i>Escherichia coli</i> ," Proc. Natl. Acad. Sci. USA 82:5724-5727, National Academy Press (1985)       |         |                                 |           |               |
|   | AS  | 1               | Abraham, S.N., et al., "Glycerol-Induced Unraveling of the Tight Helical Conformation of <i>Escherichia coli</i> Type 1 Fimbriae," J. Bacteriol. 174:5145-5148, American Society for Microbiology (1992)    |         |                                 |           |               |
| ↓   | AT  | 1               | Adhin, M.R., et al., "Nucleotide Sequence from the ssRNA Bacteriophage JP34 Resolves the Discrepancy between Serological and Biophysical Classification," Virology 170:238-242, Academic Press, Inc. (1989) |         |                                 |           |               |
| EXAMINER  |     |                 | DATE CONSIDERED <i>Modley</i> 2-19-04   |         |                                 |           |               |
| <b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |     |                 |   |         |                                 |           |               |

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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
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**U.S. PATENT DOCUMENTS**

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|------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| M M              | AL2 | WO 00/59928 A1  | 10/12/2000 | WIPO    |       |           | Yes No      |
|                  | AM2 | WO 00/23955 A1  | 04/27/2000 | WIPO    |       |           | Yes No      |
|                  | AN2 | WO 01/62284 A2  | 08/30/2001 | WIPO    |       |           | Yes No      |
|                  | AO2 | WO 01/85208 A2  | 11/15/2001 | WIPO    |       |           | Yes No      |
|                  | AP  |                 |            |         |       |           | Yes No      |

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|-----|----|---|---|
| M M | AR | 2 | Aguzzi, A., "Prion diseases, blood and the immune system: concerns and reality," Haematologica 85:3-10, Il Pensiero Scientifico Editore (January 2000)  |
|     | AS | 2 | Ansel, K.M., et al., "In Vivo-activated CD4 T Cells Upregulate CXC Chemokine Receptor 5 and Reprogram Their Response to Lymphoid Chemokines," J. Exp. Med. 190:1123-1134, The Rockefeller University Press (1999) |
|     | AT | 2 | Ansel, K.M., et al., "A chemokine-driven positive feedback loop organizes lymphoid follicles," Nature 406:309-314, Nature Publishing Group (July 2000)  |

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| EXAMINER   | <i>Wolley</i> | DATE CONSIDERED | <i>2-19-04</i> |
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10/050,902APPLICANT  
RENNER et al.FILING DATE  
January 18, 2002GROUP  
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## FOREIGN PATENT DOCUMENTS

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|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes No      |
|                  | AM |                 |      |         |       |           | Yes No      |
|                  | AN |                 |      |         |       |           | Yes No      |
|                  | AO |                 |      |         |       |           | Yes No      |
|                  | AP |                 |      |         |       |           | Yes No      |

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| MM | AR | 3 | Antonyasamy, M.A., et al., "Evidence for a Role of IL-17 in Organ Allograft Rejection: IL-17 Promotes the Functional Differentiation of Dendritic Cell Progenitors," <i>J. Immunol.</i> 162:577-584, The American Association of Immunologists (1999) |
|    | AS | 3 | Arenberg, D.A., et al., "The murine CC chemokine, 6C-kine, inhibits tumor growth and angiogenesis in a human lung cancer SCID mouse model," <i>Cancer Immunol. Immunother.</i> 49:587-592, Springer-Verlag (January 2001)                             |
|    | AT | 3 | Arnon, R., et al., "A mimotope peptide-based vaccine against <i>Schistosoma mansoni</i> : synthesis and characterization," <i>Immunology</i> 101:555-562, Blackwell Science, Ltd. (December 2000)   |

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2-19-04

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|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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| M | AR | 4 | Bachmann, M.F., and Zinkernagel, R.M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunol. Today</i> 17:553-558, Elsevier Science, Ltd. (1996)                     |
| J | AS | 4 | Bachmann, M.F., and Zinkernagel, R.M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270, Annual Reviews, Inc. (1997)  |
| ↓ | AT | 4 | Bachmann, M.F., et al., "TRANCE, a Tumor Necrosis Factor Family Member Critical for CD40 Ligand-independent T Helper Cell Activation," <i>J. Exp. Med.</i> 189:1025-1031, The Rockefeller University Press (1999) |

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| EXAMINER   | <i>Molny</i> | DATE CONSIDERED | <i>2-19-04</i> |
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|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

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|                  | AA |                 |      |      |       |           |             |
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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |   |   |
|---|----|---|---|
| M | AR | 5 | Banerjee, R.R., and Lazar, M.A., "Dimerization of Resistin and Resistin-like Molecules Is Determined by a Single Cysteine," <i>J. Biol. Chem.</i> 276:25970-25973, The American Society for Biochemistry and Molecular Biology, Inc. (July 2001)          |
|   | AS | 5 | Bard, F. et al., "Peripherally administered antibodies against amyloid $\beta$ -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nat. Med.</i> 6:916-919, Nature Publishing Company (August 2000) |
| ↓ | AT | 5 | Bass, S., and Yang, M., "Expressing cloned genes in <i>Escherichia coli</i> ," in <i>Protein Function: A Practical Approach</i> , 2nd ed., Creighton, T.E., ed., IRL Press, Oxford, Great Britain, pp. 29-55 (1997)                                       |

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| EXAMINER   | <i>Mosher</i> | DATE CONSIDERED | <i>2-19-00</i> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |               |                 |                |

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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|   |    |   |  |
|---|----|---|--|
| M | AR | 6 | Bernhagen, J., et al., "Purification, Bioactivity, and Secondary Structure Analysis of Mouse and Human Macrophage Migration Inhibitory Factor (MIF)," <i>Biochemistry</i> 33:14144-14155, American Chemical Society (1994) |
|   | AS | 6 | Biaselle, C.J., and Millar, D.B., "Studies on Triton X-100 detergent micelles," <i>Biophys. Chem.</i> 3:355-361, North-Holland Publishing Company (1975)   |
| ✓ | AT | 6 | Bleul, C.C., et al., "The lymphocyte chemoattractant SDF-1 is a ligand for LESTR/fusin and blocks HIV-1 entry," <i>Nature</i> 382:829-833, Nature Publishing Group (1996)  |

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|--|--------|-----------------|---------|
| EXAMINER   | Molter | DATE CONSIDERED | 2-19-04 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |        |                 |         |

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| ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| APPLICANT<br>RENNER et al.                   |                               |
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| AL               |                 |      |         |       |           | Yes<br>No   |
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| AN               |                 |      |         |       |           | Yes<br>No   |
| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|   |    |   |   |
|---|----|---|---|
| M | AR | 7 | Blomfield, I.C., et al., "Type 1 Fimbriation and fimE Mutants of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 173:5298-5307, American Society for Microbiology (1991)  |
|   | AS | 7 | Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimE-mediated site-specific DNA inversion that controls phase variation of type 1 fimbriae expression in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 23:705-717, Blackwell Science, Ltd. (1997) |
| ✓ | AT | 7 | Boder, E.T., and Wittrup, K.D., "Yeast Surface Display for Directed Evolution of Protein Expression, Affinity, and Stability," <i>Methods Enzymol.</i> 328:430-444, Academic Press (October 2000)   |

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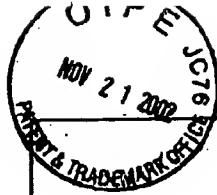
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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |   |   |
|-----|----|---|---|
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|     | AS | 8 | Brandner, S., et al., "A crucial role for B cells in neuroinvasive scrapie," <i>Transfus. Clin. Biol.</i> 6:17-23, Elsevier, Paris (1999)   |
| V   | AT | 8 | Brinton, Jr., C.C., "The structure, function, synthesis and genetic control of bacterial pili and a molecular model for DNA and RNA transport in gram negative bacteria," <i>Trans. N.Y. Acad. Sci.</i> 27:1003-1054, New York Academy of Sciences (1965) |

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| EXAMINER   | <i>Modley</i> | DATE CONSIDERED | 275-04 |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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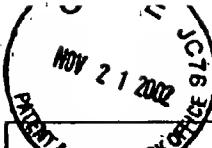
*Mosley*

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*2-19-01*

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| FORM PTO-1449<br><br><u>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

**U.S. PATENT DOCUMENTS**

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**FOREIGN PATENT DOCUMENTS**

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|                  | AL |                 |      |         |       |           | Yes<br>No   |
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|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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| EXAMINER   | <i>Motley</i> | DATE CONSIDERED | <i>2-19-04</i> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |               |                 |                |

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|--|--|--|-------------------------------|
|  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|  |  | APPLICANT<br>RENNER et al.                   |                               |
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U.S. PATENT DOCUMENTS

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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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ATTY. DOCKET NO.  
1700.0190004/JAG/BJD/SJE

APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

FILING DATE  
January 18, 2002

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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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*motley*

DATE CONSIDERED

2-19-04

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1700.0190004/JAG/BJD/SJE

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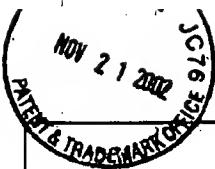
**FOREIGN PATENT DOCUMENTS**

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|                  | AM |                 |      |         |       |           | Yes<br>No   |
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|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|           |    |           |   |
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|           | AS | <u>13</u> | Coffman, R.L., et al., "Antibody to Interleukin-5 Inhibits Helminth-Induced Eosinophilia in Mice," <i>Science</i> 245:308-310, American Association for the Advancement of Science (1989)   |
|           | AT | <u>13</u> | Cohen, C., and Parry D.A.D., "α-Helical coiled coils-a widespread motif in proteins," <i>Trends Biochem. Sci.</i> 11:245-248, Elsevier Science Publishers B.V. (1986)   |

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| EXAMINER   | <i>Wolter</i> | DATE CONSIDERED | <i>2-15-04</i> |
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| FORM PTO-1449<br><br><u>FIRST SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

**U. S. PATENT DOCUMENTS**

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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |    |   |
|-----|----|----|---|
| M M | AR | 14 | Corti, M., et al., "GM1-ganglioside-Triton X-100 mixed micelles: changes of micellar properties studied by laser-light scattering and enzymatic methods," <i>Chem. Phys. Lipids</i> 28:197-214, Elsevier/North-Holland Scientific Publishers, Ltd. (1981) |
|     | AS | 14 | Coutelier, J.-P., et al., "IgG2a Restriction of murine antibodies elicited by viral infections," <i>J. Exp. Med.</i> 165:64-69, The Rockefeller University Press (1987)   |
|     | AT | 14 | Crump, M.P., et al., "Solution Structure of Eotaxin, a Chemokine That Selectively Recruits Eosinophils in Allergic Inflammation," <i>J. Biol. Chem.</i> 273:22471-22479, The American Society for Biochemistry and Molecular Biology, Inc. (1998)         |

EXAMINER *Mosley* DATE CONSIDERED *2-19-04*

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| FORM PTO-1449  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| <u>FIRST SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</u> |  | APPLICANT<br>RENNER et al.                   |                               |
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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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| <i>J</i>  | AS | <u>15</u> | Daugherty, P.S., et al., "Development of an optimized expression system for the screening of antibody libraries displayed on the <i>Escherichia coli</i> surface," <i>Protein Eng.</i> 12:613-621, Oxford University Press (1999)                         |
| <i>V</i>  | AT | <u>15</u> | Dealwis, C., et al., "Crystal structure of chemically synthesized [N33A] stromal cell-derived factor 1 $\alpha$ , a potent ligand for the HIV-1 "fusin" coreceptor," <i>Proc. Natl. Acad. Sci. USA</i> 95:6941-6946, National Academy Science (June 2001) |

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|--|-------------|-----------------|---------------|
| EXAMINER   | <i>Wade</i> | DATE CONSIDERED | <i>279-01</i> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |             |                 |               |

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| FORM PTO-1449<br><br><u>FIRST SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
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|                  | AO |                 |      |         |       |           | Yes<br>No   |
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|     | AS | 16 | Dudler, J., et al., "Effect of interleukin 17 on proteoglycan degradation in murine knee joints," Ann. Rheum. Dis. 59:529-532, Bmj Publishing Group (July 2000)   |
| ✓   | AT | 16 | Eckhardt, S.G., et al., "Hepatitis B Virus Core Antigen Has Two Nuclear Localization Sequences in the Arginine-Rich Carboxyl Terminus," J. Virol. 65:575-582, American Society for Microbiology (1991)      |

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*Wolsey*

DATE CONSIDERED

*219-04*

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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                  | AL |                 |      |         |       |           | Yes<br>No   |
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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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|     |    |    |   |
|-----|----|----|---|
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Wesley

DATE CONSIDERED

2-19-04

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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902   |
|   |  | APPLICANT<br>RENNER et al.                   | FILING DATE<br>January 18, 2002 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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| EXAMINER   | <i>Wolde</i> | DATE CONSIDERED | <i>2-19-04</i> |
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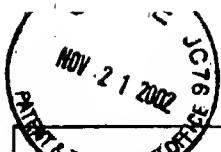
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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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*Nisole*

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*219-04*

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|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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EXAMINER

*Walter*

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*2/19/04*

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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
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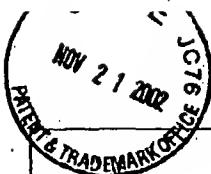
FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|      |    |    |  |
|------|----|----|--|
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|--|-------|-----------------|---------|
| EXAMINER   | Mohle | DATE CONSIDERED | 2-19-04 |
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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
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|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |           |   |  |  |  |  |
|--|----|-----------|---|--|--|--|--|
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| EXAMINER   | <i>Mohler</i> | DATE CONSIDERED | <i>2-19-04</i> |
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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
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|                  | AO |                 |      |         |       |           | Yes<br>No   |
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|    |    |    |  |
|----|----|----|--|
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| EXAMINER   | <i>Mosley</i> | DATE CONSIDERED | <i>279-04</i> |
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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|-----------|----|-----------|--|
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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

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|------------------|----|-----------------|------|------|-------|-----------|-------------|
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|                  | AO |                 |      |         |       |           | Yes<br>No   |
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|                  | AO |                 |      |         |       |           | Yes<br>No   |
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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| MW | AR | 30 | Jacob-Dubuisson, F., et al., "Initiation of assembly and association of the structural elements of a bacterial pilus depend on two specialized tip proteins," EMBO J. 12:837-847, Oxford University Press (1993) |
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2-19-04

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| AO               |  |                 |      |         |       |           | Yes<br>No   |
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|-----------|----|-----------|---|
| <i>MM</i> | AR | <u>31</u> | Jones, C.H., et al., "FimC is a periplasmic PapD-like chaperone that directs assembly of type I pili in bacteria," Proc. Natl. Acad. Sci. USA 90:8397-8401, National Academy Press (1993)                                   |
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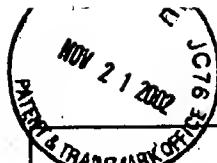
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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*Mosler*

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2/19/04

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ATTY. DOCKET NO.  
1700.0190004/JAG/BJD/SJE

APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

FILING DATE  
January 18, 2002

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## U. S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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## FOREIGN PATENT DOCUMENTS

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| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

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|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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| FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | APPLICANT<br>RENNER et al.                   |                               |
|  |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

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| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

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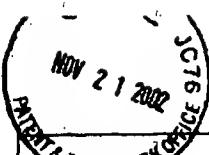
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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700-0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902   |
|   |  | APPLICANT<br>RENNER et al.                   | FILING DATE<br>January 18, 2002 |

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|                  | AL |                 |      |         |       |           | Yes<br>No   |
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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|-----|----|-----------|---|
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|     | AS | <u>38</u> | Krogfelt, K.A., et al., "Direct Evidence that the FimH Protein Is the Mannose-Specific Adhesin of Escherichia coli Type 1 Fimbriae," Infect. Immun. 58:1995-1998, American Society for Microbiology (1990).   |
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| EXAMINER | <i>Mader</i> | DATE CONSIDERED | <i>2-19-04</i> |
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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|           |    |           |   |
|-----------|----|-----------|---|
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| <i>V</i>  | AT | <u>39</u> | Leake, C.J., et al., "Cytopathic Effect and Plaque Formation by Arboviruses in a Continuous Cell Line (XTC-2) from the Toad <i>Xenopus laevis</i> ," J. gen. Virol. 35:335-339, Cambridge University Press (1977)   |

EXAMINER

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*2/19/04*

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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
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## FOREIGN PATENT DOCUMENTS

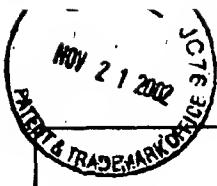
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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| EXAMINER | <i>Molteni</i> | DATE CONSIDERED | <i>2/5/04</i> |
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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DATE CONSIDERED *2-19-04*

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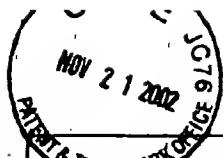
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APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

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January 18, 2002

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
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| EXAMINER | Mdu | DATE CONSIDERED | 2-19-04 |
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|   |  | APPLICANT<br>RENNER et al.                   |                               |
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|                  | AL |                 |      |         |       |           | Yes<br>No   |
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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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| APPLICANT<br>RENNER et al.                   |                               |
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| AO               |  |                 |      |         |       |           | Yes<br>No   |
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|                  | AL |                 |      |         |       |           | Yes<br>No   |
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|                  | AP |                 |      |         |       |           | Yes<br>No   |

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|   | APPLICANT<br>RENNER et al.                   |                               |
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| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|      |    |    |   |
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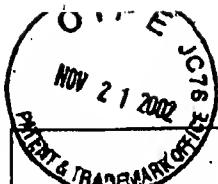
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| EXAMINER   | <i>Mosley</i> | DATE CONSIDERED | <i>2-19-04</i> |
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|                  | AP |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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2-19-04

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| FORM PTO-1449<br><br><u>FIRST SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</u> | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   | APPLICANT<br>RENNER et al.                   |                               |
|   | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
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## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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| EXAMINER<br><i>Motley</i>  | DATE CONSIDERED<br><i>2-19-04</i> |
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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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|                  | AA |                 |      |      |       |           |             |
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|                  | AG |                 |      |      |       |           |             |
|                  | AH |                 |      |      |       |           |             |
|                  | AI |                 |      |      |       |           |             |
|                  | AJ |                 |      |      |       |           |             |
|                  | AK |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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| EXAMINER   | <i>Mosher</i> | DATE CONSIDERED | <i>2/19-04</i> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |               |                 |                |

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|---|--|--|-------------------------------|
| TECHNICAL FIELD   |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| FORM PTO-1449<br><br><u>FIRST SUPPLEMENTAL</u><br><u>INFORMATION DISCLOSURE STATEMENT</u> |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

| U.S. PATENT DOCUMENTS |    |                 |      |      |       |           |             |
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| EXAMINER INITIAL      |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|                       | AA |                 |      |      |       |           |             |
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| FOREIGN PATENT DOCUMENTS |    |                 |      |         |       |           |             |
|--------------------------|----|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |           |   |  |  |  |  |
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| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AI |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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EXAMINER

*Mosley*

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| <b>APPLICANT</b><br>RENNER et al.            |                               |
| FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

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|--|-----------------------------------|
| EXAMINER<br><i>Wolfe</i>   | DATE CONSIDERED<br><i>2-19-04</i> |
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APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

FILING DATE  
January 18, 2002

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To be assigned

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
|                  | AB |                 |      |      |       |           |             |
|                  | AC |                 |      |      |       |           |             |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|-----------|----|-----------|---|
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|--|---------------|-----------------|----------------|
| EXAMINER   | <i>Wadeen</i> | DATE CONSIDERED | <i>2-19-04</i> |
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| TECH CENTER 1600/2900   |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

| U. S. PATENT DOCUMENTS |    |                 |      |      |       |           |             |
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| EXAMINER INITIAL       |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|                        | AA |                 |      |      |       |           |             |
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|                        | AC |                 |      |      |       |           |             |
|                        | AD |                 |      |      |       |           |             |
|                        | AE |                 |      |      |       |           |             |
|                        | AF |                 |      |      |       |           |             |
|                        | AG |                 |      |      |       |           |             |
|                        | AH |                 |      |      |       |           |             |
|                        | AI |                 |      |      |       |           |             |
|                        | AJ |                 |      |      |       |           |             |
|                        | AK |                 |      |      |       |           |             |

| FOREIGN PATENT DOCUMENTS |    |                 |      |         |       |           |             |
|--------------------------|----|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |    |   |  |  |  |  |
|--|----|----|---|--|--|--|--|
| M/M  | AR | 57 | Presta, L.G., et al., "Humanization of an Anti-Vascular Endothelial Growth Factor Monoclonal Antibody for the Therapy of Solid Tumors and Other Disorders," <i>Cancer Res.</i> 57:4593-4599, The American Association for Cancer Research (1997)                |  |  |  |  |
|  | AS | 57 | Priano, C., et al., "A Complete Plasmid-based Complementation System for RNA Coliphage Q $\beta$ : Three Proteins of Bacteriophages Q $\beta$ (Group III) and SP (Group IV) can be Interchanged," <i>J. Mol. Biol.</i> 249:283-297, Academic Press, Ltd. (1995) |  |  |  |  |
| ✓  | AT | 57 | Proudfoot, A.E.I., et al., "Preparation and characterization of human interleukin-5 expressed in recombinant <i>Escherichia coli</i> ," <i>Biochem. J.</i> 270:357-361, Portland Press, Ltd. (1990)   |  |  |  |  |

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| EXAMINER<br><i>Wissler</i>   | DATE CONSIDERED<br>2-19-04 |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|--|-----------------|------|---------|-------|-----------|-------------|
| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

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|-----|----|----|--|
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|     | AS | 58 | Risau, W., "Mechanisms of angiogenesis," Nature 386:671-674, Nature Publishing Group (1997)  |
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EXAMINER: Modley DATE CONSIDERED 2/19/04

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| FORM PTO-1449<br><br><u>FIRST SUPPLEMENTAL</u><br><u>INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

U. S. PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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| AA               |  |                 |      |      |       |           |             |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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|    |    |    |  |
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| EXAMINER   | Nester | DATE CONSIDERED | 2-19-04 |
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FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700,0190004/JAG/BJD/SJE

APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

FILING DATE  
January 18, 2002

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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FOREIGN PATENT DOCUMENTS

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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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*2-15-04*

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| FORM PTO-1449  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | APPLICANT<br>RENNER et al.                   |                               |
|  |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

U.S. PATENT DOCUMENTS

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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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| EXAMINER   | Moden | DATE CONSIDERED | 219-04 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |       |                 |        |



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FIRST SUPPLEMENTAL  
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ATTY. DOCKET NO.  
1700.0190004/JAG/BJD/SJE

APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

FILING DATE  
January 18, 2002

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| AL               |                 |      |         |       |           | Yes<br>No   |
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| AN               |                 |      |         |       |           | Yes<br>No   |
| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

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|     |    |    |  |
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2-19-04

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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

U.S. PATENT DOCUMENTS

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| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

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|----|----|----|--|
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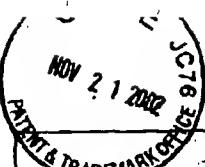
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| TECH CENTER 1600/2900   |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| FORM PTO-1449<br><br><u>FIRST SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</u> |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|    |    |    |   |
|----|----|----|---|
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| EXAMINER   | <i>Mosher</i> | DATE CONSIDERED | <i>2-19-04</i> |
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| FORM PTO-1449  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| <u>FIRST SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</u> |  | APPLICANT<br>RENNER et al.                   |                               |
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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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|    | AS | 65 | Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, and Evolution," <i>Microbiol. Rev.</i> 58:491-562, American Society for Microbiology (1994)  |
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EXAMINER Mosley DATE CONSIDERED 2/15/04

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| TECH CENTER 1600/290  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| FORM PTO-1449<br><br><u>FIRST SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</u> |  | APPLICANT<br>RENNER et al.                   |                               |
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| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

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| EXAMINER  | Mosley | DATE CONSIDERED | 2/18/04 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |        |                 |         |



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10/050,902

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| AN               |                 |      |         |       |           | Yes<br>No   |
| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|      |    |    |   |
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EXAMINER *Wieder* DATE CONSIDERED *2-19-04*

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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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| EXAMINER   | <i>Mosler</i> | DATE CONSIDERED | <i>219-04</i> |
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FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

CITY: DOCKET NO.  
1700.0190004/JAG/BJD/SJE

APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

FILING DATE  
January 18, 2002

GROUP  
To be assigned

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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FOREIGN PATENT DOCUMENTS

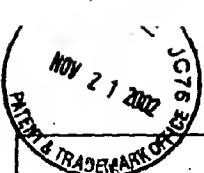
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| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

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|----------|---------------|-----------------|----------------|
| EXAMINER | <i>Molden</i> | DATE CONSIDERED | <i>2/19-04</i> |
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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

U. S. PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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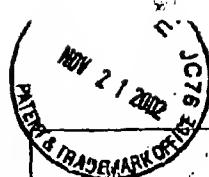
FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

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|--|---------------|-----------------|---------------|
| EXAMINER   | <i>Mosler</i> | DATE CONSIDERED | <i>279-04</i> |
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| FORM PTO-1449  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | APPLICANT<br>RENNER et al.                   |                               |
|  |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER: *Wassler* DATE CONSIDERED: *2-19-04*

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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

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| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
|                  | AB |                 |      |      |       |           |             |
|                  | AC |                 |      |      |       |           |             |
|                  | AD |                 |      |      |       |           |             |
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|                  | AI |                 |      |      |       |           |             |
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FOREIGN PATENT DOCUMENTS

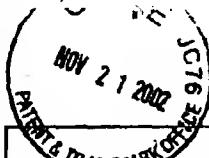
| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|     |    |    |  |
|-----|----|----|--|
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| ↓   | AT | 72 | Wu, Q., et al. "Reversal of Spontaneous Autoimmune Insulitis in Nonobese Diabetic Mice by Soluble Lymphotoxin Receptor," <i>J. Exp. Med.</i> 193:1327-1332, The Rockefeller University Press (June 2001)                         |

EXAMINER Mary H. Miller DATE CONSIDERED 19-OK

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| TECH CENTER 1600/2900   |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |    |   |
|-----|----|----|---|
| M M | AR | 73 | Wuttke, M., et al., "Structural Characterization of Human Recombinant and Bone-derived Bone Sialoprotein," J. Biol. Chem. 276:36839-36848, The American Society for Biochemistry and Molecular Biology, Inc. (2001) |
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| V   | AT | 73 | Xiong, C., et al., "Sindbis Virus: An Efficient, Broad Host Range Vector for Gene Expression in Animal Cells," Science 243:1188-1191, American Association for the Advancement of Science (1989)                    |

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|--|---------------|-----------------|----------------|
| EXAMINER   | <i>Nicole</i> | DATE CONSIDERED | <i>2-19-04</i> |
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FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0190004/JAG/BJD/SJE

APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

FILING DATE  
January 18, 2002

GROUP  
To be assigned

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|----|----|----|---|
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| ↓  | AT | 74 | Yone, K., et al., "Epitopic Regions for Antibodies against Tumor Necrosis Factor $\alpha$ ," J. Biol. Chem. 270:19509-19515, The American Society for Biochemistry and Molecular Biology, Inc. (1995) |

EXAMINER

*Holleen*

DATE CONSIDERED

*2-19-04*

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| FORM PTO-1449   |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| FIRST SUPPLEMENTAL<br><u>INFORMATION DISCLOSURE STATEMENT</u> |  | APPLICANT<br>RENNER et al.                   |                               |
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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|      | AT | 75 | Zhou, S., and Standring, D.N., "Cys Residues of the Hepatitis B Virus Capsid Protein Are Not Essential for the Assembly of Viral Core Particles but Can Influence Their Stability," J. Virol. 66:5393-5398, American Society for Microbiology (1992)                     |

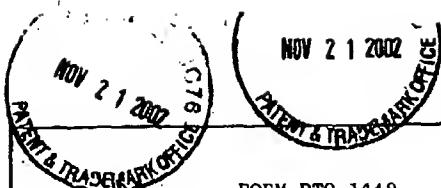
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FORM PTO-1449

FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0190004/JAG/BJD/SJE

APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

FILING DATE  
January 18, 2002

GROUP  
To be assigned

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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| AA               |                 |      |      |       |           |             |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----------------|------|---------|-------|-----------|-------------|
| AL               |                 |      |         |       |           | Yes<br>No   |
| AM               |                 |      |         |       |           | Yes<br>No   |
| AN               |                 |      |         |       |           | Yes<br>No   |
| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

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|     |    |    |   |
|-----|----|----|---|
| M M | AR | 76 | Zimmermann, N., et al., "Murine Eotaxin-2: A Constitutive Eosinophil Chemokine Induced by Allergen Challenge and IL-4 Overexpression," <i>J. Immunol.</i> 165:5839-5846, The American Association of Immunologists (November 2000).                       |
|     | AS | 76 | Ziolkowska, M., et al., "High Levels of IL-17 in Rheumatoid Arthritis Patients: IL-15 Triggers In Vitro IL-17 Production Via Cyclosporin A-Sensitive Mechanism," <i>J. Immunol.</i> 164:2832-2838, The American Association of Immunologists (March 2000) |
| ✓   | AT | 76 | Zuercher, A.W., et al., "Oral anti-IgE immunization with epitope-displaying phage," <i>Eur. J. Immunol.</i> 30:128-135, Wiley-Vch Verlag GmbH (January 2000)  |

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2-19-04

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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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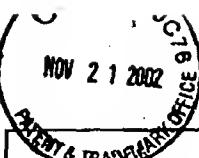
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| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|    |    |    |   |
|----|----|----|---|
| MM | AR | 77 | Copy of co-pending U.S. Application No. 09/449,631, inventors Renner et al., filed November 30, 1999.   |
|    | AS | 77 | Copy of co-pending U.S. Application No. 10/050,898, inventors Renner et al., filed January 18, 2002.  |
| ✓  | AT | 77 | Fehr, T., et al., "T cell-independent type I antibody response against B cell epitopes expressed repetitively on recombinant virus particles," Proc. Natl. Acad. Sci. USA 95:9477-9481, National Academy Press (1998) |

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| EXAMINER | <i>Mosley</i> | DATE CONSIDERED | <i>275-04</i> |
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| TECH CENTER 1600/2900   |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| FORM PTO-1449<br><br><u>FIRST SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</u> |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>To be assigned       |

**U. S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| AN               |                 |      |         |       |           | Yes<br>No   |
| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |    |   |
|---|----|----|---|
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|   | AS | 78 | International Search Report for International Application No. PCT/IB02/00166 mailed on October 29, 2002.  |
|   | AT | 78 | International Search Report for International Application No. PCT/IB02/00168 mailed on November 4, 2002.  |

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| EXAMINER   | Nishan | DATE CONSIDERED | 279-04 |
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| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE |  | APPLICATION NO.<br>10/050,902 |  |
|   |  | APPLICANT<br>RENNER et al.                   |  |                               |  |
|   |  | FILING DATE<br>January 18, 2002              |  | GROUP<br>1648                 |  |

**U.S. PATENT DOCUMENTS**

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| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

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|---|----|----|--|
|   | AR |    |  |
|   | AS |    |  |
| M | AT | 95 | NCBI Entrez, GenBank Report, Accession No. P03153, from Seeger, C., et al.<br>(January 1990) |

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DATE CONSIDERED *2-25-04*

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| <b>SIXTH SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</b> | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|  | APPLICANT<br>RENNER et al.                   |                               |
|  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |
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**U.S. PATENT DOCUMENTS**

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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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| M | AR | 96 | NCBI Entrez, GenBank Report, Accession No. X59397, from Jordan, C.T., et al. (November 1991)        |
| M | AS | 96 | NCBI Entrez, GenBank Report, Accession No. 711678A, from Shipolini, R.A., et al. (July 1992)        |
| M | AT | 96 | NCBI Entrez, GenBank Report, Accession No. M27603, from Orndorff, P.E., and Falkow, S. (April 1993) |

EXAMINER *Moler* DATE CONSIDERED *2-25-04*

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| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE |               | APPLICATION NO.<br>10/050,902 |  |
|   |  | APPLICANT<br>RENNER et al.                   |               |                               |  |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648 |                               |  |

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|                       | AG |                 |      |      |       |           |             |
|                       | AH |                 |      |      |       |           |             |
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|                       | AJ |                 |      |      |       |           |             |
|                       | AK |                 |      |      |       |           |             |

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| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |    |   |  |  |  |  |
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| M  | AR | 97 | NCBI Entrez, GenBank Report, Accession No. M20706, from Nassal M. (April 1993)          |  |  |  |  |
| M  | AS | 97 | NCBI Entrez, GenBank Report, Accession No. AAA37490, from Rouvier E. (July 1993)        |  |  |  |  |
| M  | AT | 97 | NCBI Entrez, GenBank Report, Accession No. M90520, from Kew, M.C., et al. (August 1993) |  |  |  |  |

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| EXAMINER   | Makleen | DATE CONSIDERED | 2-25-04 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |         |                 |         |



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| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U.S. PATENT DOCUMENTS**

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**FOREIGN PATENT DOCUMENTS**

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| AO               |  |                 |      |         |       |           | Yes<br>No   |
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| M | AR | 98 | NCBI Entrez, GenBank Report, Accession No. X00981, from Klemm, P. (September 1993)                    |
| M | AS | 98 | NCBI Entrez, GenBank Report, Accession No. VCBPQB, from Maita, T., and Konigsberg, W. (December 1993) |
| M | AT | 98 | NCBI Entrez, GenBank Report, Accession No. AAA16663, from Kozlovska, T.M., et al. (March 1994)        |

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| FORM PTO-1449<br><br><b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
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**U.S. PATENT DOCUMENTS**

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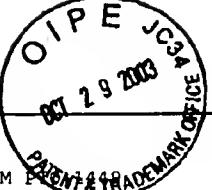
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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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| M M | AR | 99 | NCBI Entrez, GenBank Report, Accession No. X02514, from Yanisch-Perron, C., et al. (May 1994) |
| M M | AS | 99 | NCBI Entrez, GenBank Report, Accession No. X85256, from Lai, M.E., et al. (April 1995)        |
| M M | AT | 99 | NCBI Entrez, GenBank Report, Accession No. X85259, from Lai, M.E., et al., (April 1995)       |

EXAMINER Motley DATE CONSIDERED 2-25-04

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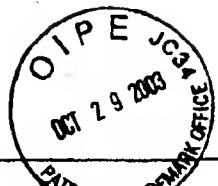
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| U.S. PATENT DOCUMENTS |  |                 |      |      |       |           |             |
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| AI                    |  |                 |      |      |       |           |             |
| AJ                    |  |                 |      |      |       |           |             |
| AK                    |  |                 |      |      |       |           |             |

| FOREIGN PATENT DOCUMENTS |  |                 |      |         |       |           |             |
|--------------------------|--|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| AL                       |  |                 |      |         |       |           | Yes<br>No   |
| AM                       |  |                 |      |         |       |           | Yes<br>No   |
| AN                       |  |                 |      |         |       |           | Yes<br>No   |
| AO                       |  |                 |      |         |       |           | Yes<br>No   |
| AP                       |  |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |     |  |  |  |  |  |
|--|----|-----|--|--|--|--|--|
| M M  | AR | 100 | NCBI Entrez, GenBank Report, Accession No. X85260, from Lai, M.E., et al. (April 1995) |  |  |  |  |
| M M  | AS | 100 | NCBI Entrez, GenBank Report, Accession No. X85272, from Lai, M.E., et al. (April 1995) |  |  |  |  |
| M M  | AT | 100 | NCBI Entrez, GenBank Report, Accession No. X85275, from Lai, M.E., et al. (April 1995) |  |  |  |  |

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| EXAMINER <i>Motley</i>   | DATE CONSIDERED <i>2-25-04</i> |
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| FORM PTO-1449<br><br><b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U. S. PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|--|-----------------|------|------|-------|-----------|-------------|
| AA               |  |                 |      |      |       |           |             |
| AB               |  |                 |      |      |       |           |             |
| AC               |  |                 |      |      |       |           |             |
| AD               |  |                 |      |      |       |           |             |
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| AH               |  |                 |      |      |       |           |             |
| AI               |  |                 |      |      |       |           |             |
| AJ               |  |                 |      |      |       |           |             |
| AK               |  |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |            |  |
|---|----|------------|--|
| M | AR | <u>101</u> | NCBI Entrez, GenBank Report, Accession No. X85284, from Lai, M.E., et al. (April 1995) |
| M | AS | <u>101</u> | NCBI Entrez, GenBank Report, Accession No. X85285, from Lai, M.E., et al. (April 1995) |
| M | AT | <u>101</u> | NCBI Entrez, GenBank Report, Accession No. X85286, from Lai, M.E., et al. (April 1995) |

EXAMINER Wolter DATE CONSIDERED 2-25-04

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| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U. S. PATENT DOCUMENTS**

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|------------------|--|-----------------|------|------|-------|-----------|-------------|
| AA               |  |                 |      |      |       |           |             |
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|------------------|--|-----------------|------|---------|-------|-----------|-------------|
| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|          |               |            |  |
|----------|---------------|------------|--|
| M M      | AR            | <u>102</u> | NCBI Entrez, GenBank Report, Accession No. X85287, from Lai, M.E., et al. (April 1995) |
| M M      | AS            | <u>102</u> | NCBI Entrez, GenBank Report, Accession No. X85291, from Lai, M.E., et al. (April 1995) |
| M M      | AT            | <u>102</u> | NCBI Entrez, GenBank Report, Accession No. X85293, from Lai, M.E., et al. (April 1995) |
| EXAMINER | <i>Mullen</i> |            | DATE CONSIDERED <i>2-25-04</i>   |

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| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

| U.S. PATENT DOCUMENTS |  |                 |      |      |       |           |             |
|-----------------------|--|-----------------|------|------|-------|-----------|-------------|
| EXAMINER INITIAL      |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| AA                    |  |                 |      |      |       |           |             |
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|--------------------------|--|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| AL                       |  |                 |      |         |       |           | Yes<br>No   |
| AM                       |  |                 |      |         |       |           | Yes<br>No   |
| AN                       |  |                 |      |         |       |           | Yes<br>No   |
| AO                       |  |                 |      |         |       |           | Yes<br>No   |
| AP                       |  |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |     |  |  |  |  |  |
|--|----|-----|--|--|--|--|--|
| M  | AR | 103 | NCBI Entrez, GenBank Report, Accession No. X85295, from Lai, M.E., et al. (April 1995) |  |  |  |  |
| M  | AS | 103 | NCBI Entrez, GenBank Report, Accession No. X85296, from Lai, M.E., et al. (April 1995) |  |  |  |  |
| M  | AT | 103 | NCBI Entrez, GenBank Report, Accession No. X85297, from Lai, M.E., et al. (April 1995) |  |  |  |  |

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| EXAMINER  | <i>Wohlgemuth</i> | DATE CONSIDERED | <i>2-25-04</i> |
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| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL</u><br><u>INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE |  | APPLICATION NO.<br>10/050,902 |  |
|   |  | APPLICANT<br>RENNER et al.                   |  |                               |  |
|   |  | FILING DATE<br>January 18, 2002              |  | GROUP<br>1648                 |  |
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| AA               |  |                 |      |      |       |           |             |
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| AG               |  |                 |      |      |       |           |             |
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| AI               |  |                 |      |      |       |           |             |
| AJ               |  |                 |      |      |       |           |             |
| AK               |  |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

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| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |     |  |
|-----|----|-----|--|
| M M | AR | 104 | NCBI Entrez, GenBank Report, Accession No. X85298, from Lai, M.E., et al. (April 1995) |
| M M | AS | 104 | NCBI Entrez, GenBank Report, Accession No. X85299, from Lai, M.E., et al. (April 1995) |
| M M | AT | 104 | NCBI Entrez, GenBank Report, Accession No. X85301, from Lai, M.E., et al. (April 1995) |

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| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|--|-----------------|------|------|-------|-----------|-------------|
| AA               |  |                 |      |      |       |           |             |
| AB               |  |                 |      |      |       |           |             |
| AC               |  |                 |      |      |       |           |             |
| AD               |  |                 |      |      |       |           |             |
| AE               |  |                 |      |      |       |           |             |
| AF               |  |                 |      |      |       |           |             |
| AG               |  |                 |      |      |       |           |             |
| AH               |  |                 |      |      |       |           |             |
| AI               |  |                 |      |      |       |           |             |
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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |     |  |
|-----|----|-----|--|
| M M | AR | 105 | NCBI Entrez, GenBank Report, Accession No. X85302, from Lai, M.E., et al. (April 1995) |
| M M | AS | 105 | NCBI Entrez, GenBank Report, Accession No. X85303, from Lai, M.E., et al. (April 1995) |
| M M | AT | 105 | NCBI Entrez, GenBank Report, Accession No. X85305, from Lai, M.E., et al. (April 1995) |

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*Wheeler*

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2-25-04

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| FORM PTO-1449<br><br><b>SIXTH SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

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| AA               |  |                 |      |      |       |           |             |
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| AC               |  |                 |      |      |       |           |             |
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| AF               |  |                 |      |      |       |           |             |
| AG               |  |                 |      |      |       |           |             |
| AH               |  |                 |      |      |       |           |             |
| AI               |  |                 |      |      |       |           |             |
| AJ               |  |                 |      |      |       |           |             |
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|------------------|--|-----------------|------|---------|-------|-----------|-------------|
| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |     |  |
|---|----|-----|--|
| M | AR | 106 | NCBI Entrez, GenBank Report, Accession No. X85307, from Lai, M.E., et al. (April 1995) |
| M | AS | 106 | NCBI Entrez, GenBank Report, Accession No. X85311, from Lai, M.E., et al. (April 1995) |
| M | AT | 106 | NCBI Entrez, GenBank Report, Accession No. X85314, from Lai, M.E., et al. (April 1995) |

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| EXAMINER  | <i>Males</i> | DATE CONSIDERED | <i>2-25-04</i> |
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| FORM PTO-1449<br><br>SIXTH SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE |  | APPLICATION NO.<br>10/050,902 |  |
|   |  | APPLICANT<br>RENNER et al.                   |  |                               |  |
|   |  | FILING DATE<br>January 18, 2002              |  | GROUP<br>1648                 |  |

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| AE                    |  |                 |      |      |       |           |             |
| AF                    |  |                 |      |      |       |           |             |
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| EXAMINER INITIAL         |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| AL                       |  |                 |      |         |       |           | Yes<br>No   |
| AM                       |  |                 |      |         |       |           | Yes<br>No   |
| AN                       |  |                 |      |         |       |           | Yes<br>No   |
| AO                       |  |                 |      |         |       |           | Yes<br>No   |
| AP                       |  |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |     |  |  |  |  |  |
|--|----|-----|--|--|--|--|--|
| M  | AR | 107 | NCBI Entrez, GenBank Report, Accession No. X85315, from Lai, M.E., et al. (April 1995) |  |  |  |  |
| M  | AS | 107 | NCBI Entrez, GenBank Report, Accession No. X85316, from Lai, M.E., et al. (April 1995) |  |  |  |  |
| M  | AT | 107 | NCBI Entrez, GenBank Report, Accession No. X85317, from Lai, M.E., et al. (April 1995) |  |  |  |  |

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| EXAMINER   | <i>Wheeler</i> | DATE CONSIDERED | <i>2-25-04</i> |
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| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
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| AA               |  |                 |      |      |       |           |             |
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| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |            |  |
|-----|----|------------|--|
| M M | AR | <u>108</u> | NCBI Entrez, GenBank Report, Accession No. X85319, from Lai, M.E., et al. (April 1995)   |
| M M | AS | <u>108</u> | NCBI Entrez, GenBank Report, Accession No. X80925, from Karayiannis, P. (December 1995)  |
| M M | AT | <u>108</u> | NCBI Entrez, GenBank Report, Accession No. AAC50341, from Yao, Z., et al. (January 1996) |

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| EXAMINER INITIAL      |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| AA                    |  |                 |      |      |       |           |             |
| AB                    |  |                 |      |      |       |           |             |
| AC                    |  |                 |      |      |       |           |             |
| AD                    |  |                 |      |      |       |           |             |
| AE                    |  |                 |      |      |       |           |             |
| AF                    |  |                 |      |      |       |           |             |
| AG                    |  |                 |      |      |       |           |             |
| AH                    |  |                 |      |      |       |           |             |
| AI                    |  |                 |      |      |       |           |             |
| AJ                    |  |                 |      |      |       |           |             |
| AK                    |  |                 |      |      |       |           |             |

| FOREIGN PATENT DOCUMENTS |  |                 |      |         |       |           |             |
|--------------------------|--|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| AL                       |  |                 |      |         |       |           | Yes<br>No   |
| AM                       |  |                 |      |         |       |           | Yes<br>No   |
| AN                       |  |                 |      |         |       |           | Yes<br>No   |
| AO                       |  |                 |      |         |       |           | Yes<br>No   |
| AP                       |  |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |     |  |  |  |  |  |
|--|----|-----|--|--|--|--|--|
| M  | AR | 109 | NCBI Entrez, GenBank Report, Accession No. X72702, from Preisler-Adams, S., et al. (February 1996) |  |  |  |  |
| M  | AS | 109 | NCBI Entrez, GenBank Report, Accession No. VCBPR7, from Weber, K., et al. (April 1996)             |  |  |  |  |
| M  | AT | 109 | NCBI Entrez, GenBank Report, Accession No. 1604193A, from Gomez, F., et al. (October 1996)         |  |  |  |  |

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| EXAMINER<br><i>Wade</i>  | DATE CONSIDERED<br><i>2-25-04</i> |
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|---|--|--|--|-------------------------------|--|
| FORM PTO-1449<br><br><b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE |  | APPLICATION NO.<br>10/050,902 |  |
|   |  | APPLICANT<br>RENNER et al.                   |  |                               |  |
|   |  | FILING DATE<br>January 18, 2002              |  | GROUP<br>1648                 |  |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
|                  | AB |                 |      |      |       |           |             |
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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |            |  |
|---|----|------------|--|
| M | AR | <u>110</u> | NCBI Entrez, GenBank Report, Accession No. B56338, from Hoffman, D.R. (May 1997)               |
| M | AS | <u>110</u> | NCBI Entrez, GenBank Report, Accession No. U95551, from Rao, B.S., et al. (June 1997)          |
| M | AT | <u>110</u> | NCBI Entrez, GenBank Report, Accession No. S14764, from Vandermeers, A., et al. (October 1997) |

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| EXAMINER<br><i>Mosley</i>  | DATE CONSIDERED<br><i>7-25-04</i> |
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| SIXTH SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT   |    |                 | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE  | APPLICATION NO.<br>10/050,902 |                                |           |             |
|--|----|-----------------|---|-------------------------------|--------------------------------|-----------|-------------|
|  |    |                 | APPLICANT<br>RENNER et al.  |                               |                                |           |             |
|  |    |                 | FILING DATE<br>January 18, 2002   | GROUP<br>1648                 |                                |           |             |
| <b>U. S. PATENT DOCUMENTS</b>  |    |                 |   |                               |                                |           |             |
| EXAMINER INITIAL   |    | DOCUMENT NUMBER | DATE  | NAME                          | CLASS                          | SUB-CLASS | FILING DATE |
|  | AA |                 |   |                               |                                |           |             |
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|  | AH |                 |   |                               |                                |           |             |
|  | AI |                 |   |                               |                                |           |             |
|  | AJ |                 |   |                               |                                |           |             |
|  | AK |                 |   |                               |                                |           |             |
| <b>FOREIGN PATENT DOCUMENTS</b>  |    |                 |   |                               |                                |           |             |
| EXAMINER INITIAL   |    | DOCUMENT NUMBER | DATE  | COUNTRY                       | CLASS                          | SUB-CLASS | TRANSLATION |
|  | AL |                 |   |                               |                                |           | Yes<br>No   |
|  | AM |                 |   |                               |                                |           | Yes<br>No   |
|  | AN |                 |   |                               |                                |           | Yes<br>No   |
|  | AO |                 |   |                               |                                |           | Yes<br>No   |
|  | AP |                 |   |                               |                                |           | Yes<br>No   |
| <b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>  |    |                 |   |                               |                                |           |             |
| MN   | AR | <u>111</u>      | NCBI Entrez, GenBank Report, Accession No. P03611, from Weber, K., et al. (November 1997)       |                               |                                |           |             |
| MN   | AS | <u>111</u>      | NCBI Entrez, GenBank Report, Accession No. AAC14699, from Beekwilder, M.J., et al. (April 1998) |                               |                                |           |             |
| MN   | AT | <u>111</u>      | NCBI Entrez, GenBank Report, Accession No. AAC14704, from Beekwilder, M.J., et al. (April 1998) |                               |                                |           |             |
| EXAMINER <i>Mosley</i>   |    |                 |   |                               | DATE CONSIDERED <i>2-25-04</i> |           |             |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |    |                 |   |                               |                                |           |             |



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| FORM PTO<br><br><b>SIXTH SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</b> | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|  | APPLICANT<br>RENNER et al.                   |                               |
|  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |
|  |  |                               |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
|                  | AB |                 |      |      |       |           |             |
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|                  | AD |                 |      |      |       |           |             |
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|                  | AH |                 |      |      |       |           |             |
|                  | AI |                 |      |      |       |           |             |
|                  | AJ |                 |      |      |       |           |             |
|                  | AK |                 |      |      |       |           |             |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|     |    |            |   |
|-----|----|------------|---|
| M M | AR | <u>112</u> | NCBI Entrez, GenBank Report, Accession No. AF043593, from Gunther, S., et al.<br>(May 1998)       |
| M M | AS | <u>112</u> | NCBI Entrez, GenBank Report, Accession No. 1POC, from Scott, D.L., et al.<br>(September 1998)     |
| M M | AT | <u>112</u> | NCBI Entrez, GenBank Report, Accession No. CAA30374, from Inokuchi, Y., et al.<br>(February 1999) |

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|------------------------|--------------------------------|
| EXAMINER <i>Mohlen</i> | DATE CONSIDERED <i>2-25-04</i> |
|------------------------|--------------------------------|

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|---|--|--|-------------------------------|
| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U. S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----------------|------|------|-------|-----------|-------------|
| AA               |                 |      |      |       |           |             |
| AB               |                 |      |      |       |           |             |
| AC               |                 |      |      |       |           |             |
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**FOREIGN PATENT DOCUMENTS**

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|------------------|-----------------|------|---------|-------|-----------|-------------|
| AL               |                 |      |         |       |           | Yes<br>No   |
| AM               |                 |      |         |       |           | Yes<br>No   |
| AN               |                 |      |         |       |           | Yes<br>No   |
| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |            |  |
|-----|----|------------|--|
| M M | AR | <u>113</u> | NCBI Entrez, GenBank Report, Accession No. X02496, from Bichko, V., et al. (April 1999)          |
| M M | AS | <u>113</u> | NCBI Entrez, GenBank Report, Accession No. MFIV62, from Cox, N.J., et al. (July 1999)            |
| M M | AT | <u>113</u> | NCBI Entrez, GenBank Report, Accession No. VCBPFR, from Wittmann-Liebold, B., et al. (July 1999) |

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| EXAMINER<br><i>Molee</i>   | DATE CONSIDERED<br><i>7-25-04</i> |
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| FORM PTO-1449<br><br><b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
|                  | AB |                 |      |      |       |           |             |
|                  | AC |                 |      |      |       |           |             |
|                  | AD |                 |      |      |       |           |             |
|                  | AE |                 |      |      |       |           |             |
|                  | AF |                 |      |      |       |           |             |
|                  | AG |                 |      |      |       |           |             |
|                  | AH |                 |      |      |       |           |             |
|                  | AI |                 |      |      |       |           |             |
|                  | AJ |                 |      |      |       |           |             |
|                  | AK |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |            |  |
|-----|----|------------|--|
| M M | AR | <u>114</u> | NCBI Entrez, GenBank Report, Accession No. A59055, from Hoffman, D.R., and Schmidt, J.O. (August 1999) |
| M M | AS | <u>114</u> | NCBI Entrez, GenBank Report, Accession No. B59055, from Hoffman, D.R., and Schmidt, J.O. (August 1999) |
| M M | AT | <u>114</u> | NCBI Entrez, GenBank Report, Accession No. AF051814, from Boyd, E.F., and Hartl, D.L. (September 1999) |

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| EXAMINER<br><i>Molesky</i>   | DATE CONSIDERED<br><i>7-25-04</i> |
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|  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|  |  | APPLICANT<br>RENNER et al.                   |                               |
| <u>SIXTH SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</u> |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----------------|------|------|-------|-----------|-------------|
| AA               |                 |      |      |       |           |             |
| AB               |                 |      |      |       |           |             |
| AC               |                 |      |      |       |           |             |
| AD               |                 |      |      |       |           |             |
| AE               |                 |      |      |       |           |             |
| AF               |                 |      |      |       |           |             |
| AG               |                 |      |      |       |           |             |
| AH               |                 |      |      |       |           |             |
| AI               |                 |      |      |       |           |             |
| AJ               |                 |      |      |       |           |             |
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## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----------------|------|---------|-------|-----------|-------------|
| AL               |                 |      |         |       |           | Yes<br>No   |
| AM               |                 |      |         |       |           | Yes<br>No   |
| AN               |                 |      |         |       |           | Yes<br>No   |
| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|     |    |     |  |
|-----|----|-----|--|
| M M | AR | 115 | NCBI Entrez, GenBank Report, Accession No. AF051815, from Boyd, E.F., and Hartl, D.L. (September 1999) |
| M M | AS | 115 | NCBI Entrez, GenBank Report, Accession No. AF110999, from Chang, S.F., et al. (October 1999)           |
| M M | AT | 115 | NCBI Entrez, GenBank Report, Accession No. AB033559, from Okamoto, H., et al. (October 1999)           |

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|--|---------------|-----------------|----------------|
| EXAMINER   | <i>Mohsen</i> | DATE CONSIDERED | <i>2-25-04</i> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |               |                 |                |



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| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   | APPLICANT<br>RENNER et al.                   |                               |
|   | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
|                  | AB |                 |      |      |       |           |             |
|                  | AC |                 |      |      |       |           |             |
|                  | AD |                 |      |      |       |           |             |
|                  | AE |                 |      |      |       |           |             |
|                  | AF |                 |      |      |       |           |             |
|                  | AG |                 |      |      |       |           |             |
|                  | AH |                 |      |      |       |           |             |
|                  | AI |                 |      |      |       |           |             |
|                  | AJ |                 |      |      |       |           |             |
|                  | AK |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |            |  |
|-----|----|------------|--|
| M M | AR | <u>116</u> | NCBI Entrez, GenBank Report, Accession No. AB010289, from Koseki, T., et al. (December 1999) |
| M M | AS | <u>116</u> | NCBI Entrez, GenBank Report, Accession No. AJ132364, from Graupner, S., et al. (April 2000)  |
| M M | AT | <u>116</u> | NCBI Entrez, GenBank Report, Accession No. AF237482, from Johnson, J.R., et al. (May 2000)   |

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| SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|--|-----------------|------|------|-------|-----------|-------------|
| AA               |  |                 |      |      |       |           |             |
| AB               |  |                 |      |      |       |           |             |
| AC               |  |                 |      |      |       |           |             |
| AD               |  |                 |      |      |       |           |             |
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| AF               |  |                 |      |      |       |           |             |
| AG               |  |                 |      |      |       |           |             |
| AH               |  |                 |      |      |       |           |             |
| AI               |  |                 |      |      |       |           |             |
| AJ               |  |                 |      |      |       |           |             |
| AK               |  |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|--|-----------------|------|---------|-------|-----------|-------------|
| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |            |  |
|---|----|------------|--|
| M | AR | <u>117</u> | NCBI Entrez, GenBank Report, Accession No. M32138, from Tong, S.P., et al. (July 2000)                 |
| M | AS | <u>117</u> | NCBI Entrez, GenBank Report, Accession No. AF229646, from Skerker, J.M., and Shapiro, L. (August 2000) |
| M | AT | <u>117</u> | NCBI Entrez, GenBank Report, Accession No. M95589, from Shi, H., et al. (January 2001)                 |

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|--|---------------|-----------------|----------------|
| EXAMINER   | <i>Mohsen</i> | DATE CONSIDERED | <i>2-25-04</i> |
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| FORM PTO-146<br><br>SIXTH SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|  |  | APPLICANT<br>RENNER et al.                   |                               |
|  |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
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|                  | AC |                 |      |      |       |           |             |
|                  | AD |                 |      |      |       |           |             |
|                  | AE |                 |      |      |       |           |             |
|                  | AF |                 |      |      |       |           |             |
|                  | AG |                 |      |      |       |           |             |
|                  | AH |                 |      |      |       |           |             |
|                  | AI |                 |      |      |       |           |             |
|                  | AJ |                 |      |      |       |           |             |
|                  | AK |                 |      |      |       |           |             |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|   |    |            |   |
|---|----|------------|---|
| M | AR | <u>118</u> | NCBI Entrez, GenBank Report, Accession No. VCBPM2, from Min Jou, W., et al.<br>(January 2001)     |
| M | AS | <u>118</u> | NCBI Entrez, GenBank Report, Accession No. AF323080, from Steppan, C.M., et al.<br>(January 2001) |
| M | AT | <u>118</u> | NCBI Entrez, GenBank Report, Accession No. AF323081, from Steppan, C.M., et al.<br>(January 2001) |

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| EXAMINER <i>Mosley</i>   | DATE CONSIDERED <i>2-25-04</i> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |                                |



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| FORM PTO-1449  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| SIXTH SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | APPLICANT<br>RENNER et al.                   |                               |
|  |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
|                  | AB |                 |      |      |       |           |             |
|                  | AC |                 |      |      |       |           |             |
|                  | AD |                 |      |      |       |           |             |
|                  | AE |                 |      |      |       |           |             |
|                  | AF |                 |      |      |       |           |             |
|                  | AG |                 |      |      |       |           |             |
|                  | AH |                 |      |      |       |           |             |
|                  | AI |                 |      |      |       |           |             |
|                  | AJ |                 |      |      |       |           |             |
|                  | AK |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |            |  |
|---|----|------------|--|
| M | AR | <u>119</u> | NCBI Entrez, GenBank Report, Accession No. U14003, from Plunket, G., III, et al.<br>(January 2001) |
| M | AS | <u>119</u> | NCBI Entrez, GenBank Report, Accession No. AF121239, from Hannoun, C., et al.<br>(February 2001)   |
| M | AT | <u>119</u> | NCBI Entrez, GenBank Report, Accession No. AF121240, from Hannoun, C., et al.<br>(February 2001)   |

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| EXAMINER   | <i>Mohler</i> | DATE CONSIDERED | <i>2-25-01</i> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |               |                 |                |



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| FORM PTO-1449<br><br><u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700-0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U. S. PATENT DOCUMENTS**

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|------------------|-----------------|------|------|-------|-----------|-------------|
| AA               |                 |      |      |       |           |             |
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| AH               |                 |      |      |       |           |             |
| AI               |                 |      |      |       |           |             |
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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----------------|------|---------|-------|-----------|-------------|
| AL               |                 |      |         |       |           | Yes<br>No   |
| AM               |                 |      |         |       |           | Yes<br>No   |
| AN               |                 |      |         |       |           | Yes<br>No   |
| AO               |                 |      |         |       |           | Yes<br>No   |
| AP               |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |            |   |
|---|----|------------|---|
| M | AR | <u>120</u> | NCBI Entrez, GenBank Report, Accession No. AF121242, from Hannoun, C., et al. (February 2001) |
| M | AS | <u>120</u> | NCBI Entrez, GenBank Report, Accession No. X59795, from Lai, M.E., et al. (March 2001)        |
| M | AT | <u>120</u> | NCBI Entrez, GenBank Report, Accession No. X65257, from Lai, M.E., et al. (March 2001)        |

EXAMINER Motley DATE CONSIDERED 2-25-04

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| FORM PTO-1449<br><br><b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE |               | APPLICATION NO.<br>10/050,902 |  |
|   |  | APPLICANT<br>RENNER et al.                   |               |                               |  |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648 |                               |  |

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**FOREIGN PATENT DOCUMENTS**

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| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |            |   |
|-----|----|------------|---|
| M M | AR | <u>121</u> | NCBI Entrez, GenBank Report, Accession No. X65258, from Lai, M.E., et al. (March 2001)        |
| M M | AS | <u>121</u> | NCBI Entrez, GenBank Report, Accession No. AF151735, from Gerner, P., et al. (April 2001)     |
| M M | AT | <u>121</u> | NCBI Entrez, GenBank Report, Accession No. AJ000636, from Gousset, N., et al. (November 2001) |

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|--|---------------|-----------------|----------------|
| EXAMINER   | <i>Mosley</i> | DATE CONSIDERED | <i>2-25-04</i> |
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| <br><b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|  |  | APPLICANT<br>RENNER et al.                   |                               |
|  |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U.S. PATENT DOCUMENTS**

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|                  | AA |                 |      |      |       |           |             |
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|                  | AC |                 |      |      |       |           |             |
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|                  | AI |                 |      |      |       |           |             |
|                  | AJ |                 |      |      |       |           |             |
|                  | AK |                 |      |      |       |           |             |

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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |            |   |
|---|----|------------|---|
| M | AR | <u>122</u> | NCBI Entrez, GenBank Report, Accession No. AAB59424, from Kenten, J.H., et al. (February 2002)  |
| M | AS | <u>122</u> | NCBI Entrez, GenBank Report, Accession No. AAC06250, from Beekwilder, M.J., et al. (March 2002) |
| M | AT | <u>122</u> | NCBI Entrez, GenBank Report, Accession No. L09137, from Yanisch-Perron, C., et al. (May 2002)   |

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| FORM PTO-1449<br><br><b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE |               | APPLICATION NO.<br>10/050,902 |  |
|   |  | APPLICANT<br>RENNER et al.                   |               |                               |  |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648 |                               |  |

**U.S. PATENT DOCUMENTS**

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| AC               |  |                 |      |      |       |           |             |
| AD               |  |                 |      |      |       |           |             |
| AE               |  |                 |      |      |       |           |             |
| AF               |  |                 |      |      |       |           |             |
| AG               |  |                 |      |      |       |           |             |
| AH               |  |                 |      |      |       |           |             |
| AI               |  |                 |      |      |       |           |             |
| AJ               |  |                 |      |      |       |           |             |
| AK               |  |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |     |   |
|-----|----|-----|---|
| M M | AR | 123 | NCBI Entrez, GenBank Report, Accession No. 009006, from Hromas, R., et al. (June 2002)    |
| M M | AS | 123 | NCBI Entrez, GenBank Report, Accession No. P40224, from Nagasawa, T., et al. (June 2002)  |
| M M | AT | 123 | NCBI Entrez, GenBank Report, Accession No. P34884, from Bernhagen, J., et al. (June 2002) |

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| EXAMINER<br><i>Moeller</i>   | DATE CONSIDERED<br><i>2-25-04</i> |
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| FORM PTO-1449<br><br><b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U.S. PATENT DOCUMENTS**

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| AA               |  |                 |      |      |       |           |             |
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| AD               |  |                 |      |      |       |           |             |
| AE               |  |                 |      |      |       |           |             |
| AF               |  |                 |      |      |       |           |             |
| AG               |  |                 |      |      |       |           |             |
| AH               |  |                 |      |      |       |           |             |
| AI               |  |                 |      |      |       |           |             |
| AJ               |  |                 |      |      |       |           |             |
| AK               |  |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

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|------------------|--|-----------------|------|---------|-------|-----------|-------------|
| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |            |   |
|---|----|------------|---|
| M | AR | <u>124</u> | NCBI Entrez, GenBank Report, Accession No. P06821, from Winter, G., et al. (June 2002)      |
| M | AS | <u>124</u> | NCBI Entrez, GenBank Report, Accession No. P30904, from Sakai, M., et al. (June 2002)       |
| M | AT | <u>124</u> | NCBI Entrez, GenBank Report, Accession No. NP_040754, from Inokuchi, Y., et al. (June 2003) |

EXAMINER Weller DATE CONSIDERED 7-25-04

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| FORM PTO-1449  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| <b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | APPLICANT<br>RENNER et al.                   |                               |
|  |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

| U. S. PATENT DOCUMENTS |    |                 |      |      |       |           |             |
|------------------------|----|-----------------|------|------|-------|-----------|-------------|
| EXAMINER INITIAL       |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|                        | AA |                 |      |      |       |           |             |
|                        | AB |                 |      |      |       |           |             |
|                        | AC |                 |      |      |       |           |             |
|                        | AD |                 |      |      |       |           |             |
|                        | AE |                 |      |      |       |           |             |
|                        | AF |                 |      |      |       |           |             |
|                        | AG |                 |      |      |       |           |             |
|                        | AH |                 |      |      |       |           |             |
|                        | AI |                 |      |      |       |           |             |
|                        | AJ |                 |      |      |       |           |             |
|                        | AK |                 |      |      |       |           |             |

| FOREIGN PATENT DOCUMENTS |    |                 |      |         |       |           |             |
|--------------------------|----|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |     |  |  |  |  |  |
|--|----|-----|--|--|--|--|--|
| M  | AR | 125 | NCBI Entrez, GenBank Report, Accession No. NP_061354, from Ishikawa, S., et al. (September 2003) |  |  |  |  |
| M  | AS | 125 | NCBI Entrez, GenBank Report, Accession No. NP_031804, from Lenda, D.M., et al. (September 2003)  |  |  |  |  |
| M  | AT | 125 | NCBI Entrez, GenBank Report, Accession No. NP_006410, from Luther, S.A., et al. (September 2003) |  |  |  |  |

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|--|---------------|-----------------|----------------|
| EXAMINER   | <i>Mohsen</i> | DATE CONSIDERED | <i>2-25-04</i> |
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| FORM PTO-1449<br><br><b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.                   |                               |
|   |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U.S. PATENT DOCUMENTS**

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|                  | AA |                 |      |      |       |           |             |
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|                  | AD |                 |      |      |       |           |             |
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|                  | AK |                 |      |      |       |           |             |

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|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |            |   |
|-----|----|------------|---|
| M M | AR | <u>126</u> | NCBI Entrez, GenBank Report, Accession No. NP_000748, from Yao, G.Q., et al. (September 2003)     |
| M M | AS | <u>126</u> | NCBI Entrez, GenBank Report, Accession No. P03069, from Hinnebusch, A.G., et al. (September 2003) |
| M M | AT | <u>126</u> | NCBI Entrez, GenBank Report, Accession No. O00585, from Hromas, R., et al. (September 2003)       |

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| EXAMINER<br><i>Maxley</i>  | DATE CONSIDERED<br><i>2-25-04</i> |
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| FORM PTO-1449  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|  |  | APPLICANT<br>RENNER et al.                   |                               |
|  |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |
| <b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  |  |                               |

| <b>U.S. PATENT DOCUMENTS</b> |    |                 |      |      |       |           |             |
|------------------------------|----|-----------------|------|------|-------|-----------|-------------|
| EXAMINER INITIAL             |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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|                              | AD |                 |      |      |       |           |             |
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|                              | AG |                 |      |      |       |           |             |
|                              | AH |                 |      |      |       |           |             |
|                              | AI |                 |      |      |       |           |             |
|                              | AJ |                 |      |      |       |           |             |
|                              | AK |                 |      |      |       |           |             |

| <b>FOREIGN PATENT DOCUMENTS</b> |    |                 |      |         |       |           |             |
|---------------------------------|----|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL                |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                                 | AL |                 |      |         |       |           | Yes<br>No   |
|                                 | AM |                 |      |         |       |           | Yes<br>No   |
|                                 | AN |                 |      |         |       |           | Yes<br>No   |
|                                 | AO |                 |      |         |       |           | Yes<br>No   |
|                                 | AP |                 |      |         |       |           | Yes<br>No   |

| <b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b> |    |     |   |  |  |  |  |
|---|----|-----|---|--|--|--|--|
| M M   | AR | 127 | NCBI Entrez, GenBank Report, Accession No. P14174, from Weiser, W.Y., et al.<br>(September 2003)    |  |  |  |  |
| M M   | AS | 127 | NCBI Entrez, GenBank Report, Accession No. P48061, from Spotila, L.D., et al.<br>(September 2003)   |  |  |  |  |
| M M   | AT | 127 | NCBI Entrez, GenBank Report, Accession No. P80003, from Vandermeers, A., et al.<br>(September 2003) |  |  |  |  |

|  |               |                 |                |
|--|---------------|-----------------|----------------|
| EXAMINER   | <i>Molday</i> | DATE CONSIDERED | <i>2-25-04</i> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |               |                 |                |



|  |  |  |                               |
|--|--|--|-------------------------------|
| FORM PTO-1449  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|  |  | APPLICANT<br>RENNER et al.                   |                               |
| <u>SIXTH SUPPLEMENTAL<br/>INFORMATION DISCLOSURE STATEMENT</u> |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
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|                  | AI |                 |      |      |       |           |             |
|                  | AJ |                 |      |      |       |           |             |
|                  | AK |                 |      |      |       |           |             |

## FOREIGN PATENT DOCUMENTS

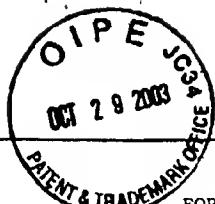
| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|   |    |            |  |
|---|----|------------|--|
| M | AR | <u>128</u> | Swiss-Prot/TrEMBL, TN11_Mouse, Primary Accession No. O35235, entered in Swiss-Prot in October 2001             |
| M | AS | <u>128</u> | Swiss-Prot/TrEMBL, TN11_Human, Primary Accession No. O14788, entered in Swiss-Prot in October 2001             |
| M | AT | <u>128</u> | Copy of co-pending U.S. application 10/622,064, inventors Bachmann et al., filed July 18, 2003 (NOT PUBLISHED) |

EXAMINER Motley DATE CONSIDERED 2-25-04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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|  |  |  |                               |
|--|--|--|-------------------------------|
| FORM PTO-1449  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
| APPLICANT<br>RENNER et al.                             |  |  |                               |
| SIXTH SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|--|-----------------|------|------|-------|-----------|-------------|
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| AK               |  |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|--|-----------------|------|---------|-------|-----------|-------------|
| AL               |  |                 |      |         |       |           | Yes<br>No   |
| AM               |  |                 |      |         |       |           | Yes<br>No   |
| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|     |    |            |  |
|-----|----|------------|--|
| M M | AR | <u>128</u> | Swiss-Prot/TrEMBL, TN11_Mouse, Primary Accession No. 035235, entered in Swiss-Prot in October 2001             |
| M M | AS | <u>128</u> | Swiss-Prot/TrEMBL, TN11_Human, Primary Accession No. 014788, entered in Swiss-Prot in October 2001             |
| M M | AT | <u>128</u> | Copy of co-pending U.S. application 10/622,064, inventors Bachmann et al., filed July 18, 2003 (NOT PUBLISHED) |

EXAMINER *Motter* DATE CONSIDERED *2-25-04*

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|  |  |  |                               |  |  |  |  |
|--|--|--|-------------------------------|--|--|--|--|
| FORM PTO-1449  |  | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |  |  |  |  |
|  |  | APPLICANT<br>RENNER et al.                   |                               |  |  |  |  |
|  |  | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |  |  |  |  |
| <b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  |  |                               |  |  |  |  |

**U. S. PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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| AF               |  |                 |      |      |       |           |             |
| AG               |  |                 |      |      |       |           |             |
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| AI               |  |                 |      |      |       |           |             |
| AJ               |  |                 |      |      |       |           |             |
| AK               |  |                 |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| AN               |  |                 |      |         |       |           | Yes<br>No   |
| AO               |  |                 |      |         |       |           | Yes<br>No   |
| AP               |  |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|   |    |            |  |
|---|----|------------|--|
| M | AR | <u>129</u> | Copy of co-pending U.S. application 10/617,876, inventors Bachmann et al., filed July 14, 2003 (NOT PUBLISHED) |
| M | AS | <u>129</u> | Copy of co-pending U.S. application 10/622,087, inventors Bachmann et al., filed July 18, 2003 (NOT PUBLISHED) |
| M | AT | <u>129</u> | Copy of co-pending U.S. application 10/622,124, inventors Bachmann et al., filed July 18, 2003 (NOT PUBLISHED) |

|  |               |                 |                |
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| EXAMINER   | <i>Makley</i> | DATE CONSIDERED | <i>2-25-04</i> |
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|   |  |                               |
|---|--|-------------------------------|
| FORM PTO-1449<br><br><b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> | ATTY. DOCKET NO.<br>1700.0190004/JAG/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   | APPLICANT<br>RENNER et al.                   |                               |
|   | FILING DATE<br>January 18, 2002              | GROUP<br>1648                 |
|   |  |                               |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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|                  | AA |                 |      |      |       |           |             |
|                  | AB |                 |      |      |       |           |             |
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|                  | AG |                 |      |      |       |           |             |
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|                  | AI |                 |      |      |       |           |             |
|                  | AJ |                 |      |      |       |           |             |
|                  | AK |                 |      |      |       |           |             |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|     |    |     |   |
|-----|----|-----|---|
| M M | AR | 130 | Jegerlehner, A., et al., "A molecular assembly system that renders antigens of choice highly repetitive for induction of protective B cell responses," Vaccine 20:3104-3112, Elsevier Science, Ltd. (August 2002) |
| M M | AS | 130 | The Biology of Animal Viruses, 2nd ed., Fenner, F., et al., eds., Academic Press, New York, NY, pp. 117-119 (1974)  |
| M M | AT | 130 | NCBI Entrez, PubMed Abstract, PMID: 2205968, Diallo, A., et al., "Morbillivirus group: genome organization and proteins," Vet. Microbiol. 23:155-163 (1990)   |

|  |        |                 |         |
|--|--------|-----------------|---------|
| EXAMINER   | Makler | DATE CONSIDERED | 2-25-04 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |        |                 |         |



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

| Title of Invention  | Molecular Antigen Array  |            |            |                       |      |
|---|--|------------|------------|-----------------------|------|
| Application Number:   | 10/050902  |            |            |                       |      |
| Confirmation Number:  | 7792   |            |            |                       |      |
| First Named Applicant:  | Wolfgang Renner  |            |            |                       |      |
| Attorney Docket Number:   | 1700.0190004   |            |            |                       |      |
| Search string:  | ( 4722840 or 5143726 or 5789245 or 5792462<br>or 5871747 or 5928647 or 6004763 or 6054312<br>or 6231864 or 5580859 ).pn. |            |            |                       |      |
| RECEIVED<br>AUG 22 2003<br>TECH CENTER 1600/2900                                    |  |            |            |                       |      |
| US Patent Documents   |  |            |            |                       |      |
| Note: Applicant is not required to submit a paper copy of cited US Patent Documents |  |            |            |                       |      |
| init  | Cite.No.   | Patent No. | Date       | Patentee              | Kind |
| M   | 1  | 4722840    | 1988-02-02 | Valenzuela et al.     |      |
|   | 2  | 5143726    | 1992-09-01 | Thornton et al.       |      |
|   | 3  | 5789245    | 1998-08-04 | Dubensky, Jr. et al.  |      |
|   | 4  | 5792462    | 1998-08-11 | Johnston et al.       |      |
|   | 5  | 5871747    | 1999-02-16 | Gengoux-Sedlik et al. |      |
|   | 6  | 5928647    | 1999-07-27 | Rock                  |      |
|   | 7  | 6004763    | 1999-12-21 | Gengoux et al.        |      |
|   | 8  | 6054312    | 2000-04-25 | Larocca et al.        |      |
|   | 9  | 6231864    | 2001-05-15 | Birkett               | B1   |
| V   | 10   | 5580859    | 1996-12-03 | Felgner et al.        |      |

### Signature

|               |         |
|---------------|---------|
| Examiner Name | Date    |
| Modley        | 2-19-04 |



# Electronic Information Disclosure Statement

## Molecular Antigen Array

Application: 10/050902

Confirmation: 7792

Applicant(s): Wolfgang Renner

Docket Number: 1700.0190004

Group Art Unit: 1645

Examiner:

search string: ( 5071651 or 5334394 or 5374426 or 5580589 or 5698424 or 5739026 or 5770380 or 5766602 or 5789245 or 5792462 or 5814482 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

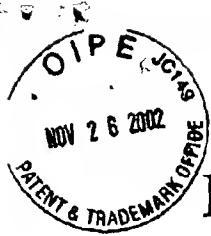
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|------|--------------|---------------|------------|----------|------------------|-------|----------|
|      | P01          | 5071651       | 1991-12-10 |          | Sabara et al.    |       |          |
|      | P02          | 5334394       | 1994-08-02 |          | Kossovsky et al. |       |          |
|      | P03          | 5374426       | 1994-12-20 |          | Sabara et al.    |       |          |
|      | P04          | 5580589       | 1996-12-03 |          | Felgner et al.   |       |          |
|      | P05          | 5698424       | 1997-12-16 |          | Mastico et al.   |       |          |
|      | P06          | 5739026       | 1998-04-14 |          | Garoff et al.    |       |          |
|      | P07          | 5770380       | 1998-06-23 |          | Hamilton et al.  |       |          |
|      | P08          | 5766602       | 1998-06-16 |          | Xiong et al.     |       |          |
|      | P09          | 5789245       | 1998-08-04 |          | Dubensky, Jr.    |       |          |

MM

|     |         |            |  |                         |  |
|-----|---------|------------|--|-------------------------|--|
|     |         |            |  | et al.                  |  |
| P10 | 5792462 | 1998-08-11 |  | Johnston et al.         |  |
| P11 | 5814482 | 1998-09-29 |  | Dubensky, Jr.<br>et al. |  |

## Signature

| Examiner Name | Date    |
|---------------|---------|
| Mosley        | 2/19/04 |



# Electronic Information Disclosure Statement

## Molecular Antigen Array

Application:   
10/050902

Confirmation: 7792

Applicant(s): Wolfgang Renner

Docket Number: 1700.0190004

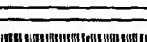
Group Art Unit:

Examiner:

search string: (6380364 or 20020081295 or 20020064533 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Citation No. | Patent Number | Date       | Bar Code  | Patentee       | Class | Subclass |
|------|--------------|---------------|------------|---|----------------|-------|----------|
| M    | U01          | 6380364       | 2002-04-30 |  | Mueller et al. |       |          |

### Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Citation No. | Patent Number | Date       | Bar Code  | Patentee        | Class | Subclass |
|------|--------------|---------------|------------|---|-----------------|-------|----------|
| M    | U01          | 20020081295   | 2002-06-27 |  | Schiller et al. |       |          |
| M    | U02          | 20020064533   | 2002-05-30 |  | Murray          |       |          |



## Signature

| Examiner Name | Date    |
|---------------|---------|
| Mader         | 2-19-04 |



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| FORM PTO-1449<br><u>THIRD SUPPLEMENTAL</u><br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|  |  | APPLICANT<br>Renner et al.               |                               |
|  |  | FILING DATE<br>January 18, 2002          | GROUP<br>1645                 |

| U.S. PATENT DOCUMENTS |     |                 |            |                   |       |           |             |
|-----------------------|-----|-----------------|------------|-------------------|-------|-----------|-------------|
| EXAMINER INITIAL      |     | DOCUMENT NUMBER | DATE       | NAME              | CLASS | SUB-CLASS | FILING DATE |
| MM                    | AA1 | 5,935,821       | 08/10/1999 | Chatterjee et al. |       |           | 11/21/1996  |
|                       | AB  |                 |            |                   |       |           |             |
|                       | AC  |                 |            |                   |       |           |             |
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|                       | AG  |                 |            |                   |       |           |             |
|                       | AH  |                 |            |                   |       |           |             |
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|                       | AJ  |                 |            |                   |       |           |             |
|                       | AK  |                 |            |                   |       |           |             |

| FOREIGN PATENT DOCUMENTS |     |                 |            |         |       |           |             |
|--------------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |     | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                          | AM  |                 |            |         |       |           | Yes<br>No   |
|                          | AN  |                 |            |         |       |           | Yes<br>No   |
|                          | AO  |                 |            |         |       |           | Yes<br>No   |
| MM                       | AP2 | WO 99/28478     | 06/10/1999 | WIPO    |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |    |   |  |  |  |  |
|--|----|----|---|--|--|--|--|
| MM   | AR | 79 | Kozlovska, T.M., et al., "RNA Phage Q $\beta$ Coat Protein as a Carrier for Foreign Epitopes," <i>Intervirology</i> 39:9-15, S. Karger AG (1996).   |  |  |  |  |
|  | AS | 79 | Kratz, P.A., et al., "Native display of complete foreign protein domains on the surface of hepatitis B virus capsids," <i>Proc. Natl. Acad. Sci. USA</i> 96:1915-1920, National Academy of Sciences (1999).                     |  |  |  |  |
|  | AT | 79 | Nieland, J.D., et al., "Chimeric Papillomavirus Virus-like Particles Induce a Murine Self-Antigen-Specific Protective and Therapeutic Antitumor Immune Response," <i>J. Cell. Biochem.</i> 73:145-152, Wiley-Liss, Inc. (1999). |  |  |  |  |

|  |              |                 |                |
|--|--------------|-----------------|----------------|
| EXAMINER   | <i>Moyer</i> | DATE CONSIDERED | <i>2-15-01</i> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |              |                 |                |



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| FORM PTO-1449<br>THIRD SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>Renner et al.               |                               |
|   |  | FILING DATE<br>January 18, 2002          | GROUP<br>1645                 |

**U.S. PATENT DOCUMENTS**

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| AG               |  |                 |      |      |       |           |                       |
| AH               |  |                 |      |      |       |           |                       |
| AI               |  |                 |      |      |       |           |                       |
| AJ               |  |                 |      |      |       |           |                       |
| AK               |  |                 |      |      |       |           |                       |

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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |     | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| MM               | AL3 | WO 99/57289     | 11/11/1999 | WIPO    |       |           | Yes No      |
| MM               | AM3 | WO 00/50461     | 08/31/2000 | WIPO    |       |           | Yes No      |
|                  | AN  |                 |            |         |       |           | Yes No      |
|                  | AO  |                 |            |         |       |           | Yes No      |
|                  | AP  |                 |            |         |       |           | Yes No      |

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|----|----|----|--|
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|    | AS | 80 | Vasiljeva, I., et al., "Mosaic Q $\beta$ coats as a new presentation model," FEBS Lett. 431:7-11. Federation of European Biochemical Societies (1998).                                       |
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| EXAMINER   | <i>Wade</i> | DATE CONSIDERED | <i>2-15-04</i> |
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| FORM PTO-1449<br><b>FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.               |                               |
|   |  | FILING DATE<br>January 18, 2002          | GROUP<br>1648                 |

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| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE     |
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|                  | AA |                 |      |      |       |           |                 |
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| EXAMINER INITIAL |     | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUB-CLASS | TRANSLATION    |
|------------------|-----|-----------------|------------|---------|-------|-----------|----------------|
|                  | AL  |                 |            |         |       |           | Yes<br>No      |
|                  | AM  |                 |            |         |       |           | Yes<br>No      |
| M M              | AN3 | EP 0 259 149 B1 | 12/16/1993 | Europe  |       |           | Yes<br>No      |
|                  | AO3 | EP 0 385 610 B1 | 03/16/1994 | Europe  |       |           | Yes<br>No      |
|                  | AP3 | WO 94/06472 A1  | 03/31/1994 | WIPO    |       |           | X<br>Yes<br>No |

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| EXAMINER   | <i>Mosha</i> | DATE CONSIDERED | <i>219-04</i> |
| <b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609.<br>Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |              |                 |               |



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|   |  | APPLICANT<br>RENNER et al.               |                               |
|   |  | FILING DATE<br>January 18, 2002          | GROUP<br>1648                 |

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| EXAMINER INITIAL      |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE                  |
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| EXAMINER INITIAL         |     | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| MN                       | AL4 | EP 0 465 081 B1 | 04/20/1994 | Europe  |       |           | Yes<br>No   |
|                          | AM4 | EP 0 283 505 B1 | 07/06/1994 | Europe  |       |           | Yes<br>No   |
|                          | AN4 | WO 94/15585 A1  | 07/21/1994 | WIPO    |       |           | Yes<br>No   |
|                          | AO4 | EP 0 425 082 A1 | 04/26/1995 | Europe  |       |           | Yes<br>No   |
|                          | AP4 | WO 96/05293 A1  | 02/22/1996 | WIPO    |       |           | Yes<br>No   |

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|  | AT | 82 | Connor, R.I., et al., "Immunological and Virological Analyses of Persons Infected by Human Immunodeficiency Virus Type 1 while Participating in Trials of Recombinant gp120 Subunit Vaccines," <i>J. Virol.</i> 72:1552-1576, American Society for Microbiology (1998) |  |  |  |  |

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| FORM PTO-1449<br><br>FIFTH SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.               |                               |
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| EXAMINER INITIAL      |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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| M M                      | ALS | WO 99/07839 A2  | 02/18/1999 | WIPO    |       |           | Yes<br>No   |
|                          | AM5 | WO 99/40934 A1  | 08/19/1999 | WIPO    |       |           | Yes<br>No   |
| ↓                        | AN5 | WO 99/67293 A1  | 12/29/1999 | WIPO    |       |           | Yes<br>No   |
|                          | AO  |                 |            |         |       |           | Yes<br>No   |
|                          | AP  |                 |            |         |       |           | Yes<br>No   |

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|   |  | APPLICANT<br>RENNER et al.               |                               |
|   |  | FILING DATE<br>January 18, 2002          | GROUP<br>1648                 |

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| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
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|   |  | APPLICANT<br>RENNER et al.               |                               |
|   |  | FILING DATE<br>January 18, 2002          | GROUP<br>1648                 |

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|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |    |  |  |  |  |  |
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| FORM PTO-1449<br><br><u>FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/BJD/SJE | APPLICATION NO.<br>10/050,902 |  |
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| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
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| EXAMINER   | <i>Moden</i> | DATE CONSIDERED | <i>219-04</i> |
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| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

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| V | AT | 87 | Iannolo, G., et al., "Construction, Exploitation and Evolution of a New Peptide Library Displayed at High Density by Fusion to the Major Coat Protein of Filamentous Phage," Biol. Chem. 378:517-521, Walter de Gruyter & Co. (1997) |

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|   |  | FILING DATE<br>January 18, 2002          | GROUP<br>1648                 |

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| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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|-----|----|----|---|
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|--|---------------|--------------------------------|
| EXAMINER   | <i>Molten</i> | DATE CONSIDERED <i>2/15/04</i> |
| <b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609.<br>Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |               |                                |



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| FORM PTO-1449<br><b>FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> |  | ATTY. DOCKET NO.<br>1700.0190004/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.               |                               |
|   |  | FILING DATE<br>January 18, 2002          | GROUP<br>1648                 |
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## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE                  |
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|                  | AJ |                 |      |      |       |           |                              |
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## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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|-----|----|----|---|
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| ↓   | AT | 89 | Neurath, A.R., et al., "Hepatitis B Virus surface antigen (HBsAg) as carrier for synthetic peptides having an attached hydrophobic tail," <i>Mol. Immunol.</i> 26:53-62, Pergamon Press (1989)  |

EXAMINER: *Mosley* DATE CONSIDERED *2-19-04*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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|---|--|--|-------------------------------|
| FORM PTO-1449<br><br>FIFTH SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT |  | ATTY. DOCKET NO.<br>1700.0190004/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.               |                               |
|   |  | FILING DATE<br>January 18, 2002          | GROUP<br>1648                 |

| U.S. PATENT DOCUMENTS |  |                 |      |      |       |           |             |
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| EXAMINER INITIAL      |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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| FOREIGN PATENT DOCUMENTS |  |                 |      |         |       |           |             |
|--------------------------|--|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| AL                       |  |                 |      |         |       |           | Yes<br>No   |
| AM                       |  |                 |      |         |       |           | Yes<br>No   |
| AN                       |  |                 |      |         |       |           | Yes<br>No   |
| AO                       |  |                 |      |         |       |           | Yes<br>No   |
| AP                       |  |                 |      |         |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|-----|----|----|---|
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|   |  | APPLICANT<br>RENNER et al.               |                               |
|   |  | FILING DATE<br>January 18, 2002          | GROUP<br>1648                 |

| U.S. PATENT DOCUMENTS |    |                 |      |      |       |           |             |
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|--------------------------|----|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |    |  |   |  |  |  |
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| ↓  | AT | 91 |  | Redfield, R.R., et al., "Disseminated vaccinia in a military recruit with Human Immunodeficiency Virus (HIV) disease," <i>N. Eng. J. Med.</i> 316:673-676, Massachusetts Medical Society (1987)   |  |  |  |

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| FORM PTO-1449<br><br><u>FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>1700.0190004/BJD/SJE | APPLICATION NO.<br>10/050,902 |
|   |  | APPLICANT<br>RENNER et al.               |                               |
|   |  | FILING DATE<br>January 18, 2002          | GROUP<br>1648                 |

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| EXAMINER INITIAL         |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| AM                       |  |                 |      |         |       |           | Yes<br>No   |
| AN                       |  |                 |      |         |       |           | Yes<br>No   |
| AO                       |  |                 |      |         |       |           | Yes<br>No   |
| AP                       |  |                 |      |         |       |           | Yes<br>No   |

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| EXAMINER   | Mosley | DATE CONSIDERED | 2-19-04 |
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FORM PTO-1449

FIFTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT
ATTY. DOCKET NO.  
1700.0190004/BJD/SJEAPPLICATION NO.  
10/050,902APPLICANT  
RENNER et al.FILING DATE  
January 18, 2002GROUP  
1648

## U. S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|   |    |    |   |
|---|----|----|---|
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*2-19-04*

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|   |  | APPLICANT<br>RENNER et al.               |                               |
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| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |         |      |  |  |  |  |  |
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| EXAMINER   | INITIAL | YEAR | REFERENCE DETAILS  |  |  |  |  |
| MN   | AR      | 94   | Watkins, S.J., et al., "The 'adenobody' approach to viral targeting: specific and enhanced adenoviral gene delivery," Gene Ther. 4:1004-1012, Stockton Press (1997)              |  |  |  |  |
|  | AS      | 94   | Willis, A.E., et al., "Immunological properties of foreign peptides in multiple display on a filamentous bacteriophage," Gene 128:79-83, Elsevier Science Publishers B.V. (1993) |  |  |  |  |
| ↓  | AT      | 94   | Dialog File 351, Accession No. 7431992, Derwent WPI English language abstract for WO 94/06472 (Document AP3)   |  |  |  |  |

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| AM                       |  |                 |      |         |       |           | Yes<br>No   |
| AN                       |  |                 |      |         |       |           | Yes<br>No   |
| AO                       |  |                 |      |         |       |           | Yes<br>No   |
| AP                       |  |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |    |   |  |  |  |  |
|--|----|----|---|--|--|--|--|
| M  | AR | 95 | International Preliminary Examination Report for International Application No. PCT/IB99/01925, European Patent Office, Munich (August 2000) (not for publication)                 |  |  |  |  |
|  | AS | 95 | International Search Report for International Application No. PCT/IB99/01925, European Patent Office, Netherlands (June 2000) (not for publication)<br><br>- Could not find this. |  |  |  |  |
|  | AT |    |   |  |  |  |  |

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| EXAMINER<br><i>Mosley</i>  | DATE CONSIDERED<br><i>219-a</i> |
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